BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Yelahanka Division
B.B.M.P. Bangalore - 64

APPROVED SHEDULE - B

Name of work: Drilling of borewells and providing pipe line in yelahanka old town area and village areas in ward No- 02 of yelahanka Sub Division.

Sl. No.	Description	Unit	Approved Quantity	Rates	Rate in words
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc (P.NO-47, I.NO-9.4, PRED 12-13 SR)	Nos	4	1882.00	Rupppes one thousand eight hundred eighty two only
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR)	Rmt			
	0.00 to 50.00 Mtr.		200.00	315.18	Ruppes three hundred fifteen and paise eighteen only
	50.00 to 100.00 Mtr.		200.00	412.00	Rupees four hundred twelve and paise zero only
	100.00 to 150.00 Mtr.		200.00	458.35	Rupees four hundred fifty eight and paise thirty five only
	150.00 to 200.00 Mtr.		200.00	484.10	Rupees four hundred eighty four and paise ten only
	200.00 to 250.00 Mtr.		200.00	560.32	Rupees five hundred sixty and paise thirty two only
	250.00 to 300 Mtr.		150.00	600.49	Rupees six hundred and paise forty nine only
	300.00 to 350 Mtr		50.00	680.00	Rupees six hundred eighty and paise zero only

Sl. No.	Description	Unit	Approved Quantity	Rates	Rate in words
	350.00 to 380 Mtr		30.00	740.00	Rupees seven hundred forty and paise zero only
3	Supplying of ISI Mark 175 mm nominal bore plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4 mm thick confirming to IS 4270: 2001 and latest amendments electric resistance welded steel tube material and confirming to IS 1387 / 1993 and manfactured by basic open earth electric or basic oxygen process in random length of 5 to 7 mtrs both ends threaded confirming to IS554 / 1985 one end fixed with socket confirming to IS 4270 2001 and the other end with screwed pipes all pipes shall be reasonably free from defects the tubes shall be with ISI marking weighing 25.10 kg/mtrs (inclusive of all taxes and durites) prices include coller medium duty PRED SR 2012-13 PAge No III	Rmt	180.00	1325.00	Rupees one thousand three hundred twenty five and paise zero only
4	Providing and fixing 250mm dia PVC 6 kg/sqcm pressure pipe including jointing and labur charges for laying pipes and as per specification and directions. (BWSSB SR 13-14, P.No.45 I.no.1 of sl.no.11.)	Each	45.00	1100.00	Rupees one thousand one hundred and paise zero only
5	175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)	Each	3.00	100.00	Rupees one hundred only
6	M.S. Casing pipe collars 'C' Class (P.NO-III, I.NO-86, PRED 12-13 SR)	Each	39.00	150.00	Rupees one hundred fifty and paise zero only
7	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000 HP 30 stage (P.NO-XXXXIII, I.NO-33, PWD SR 13-14) kirloscar pumps	set	3.00	70600.00	Rupees seventy thousand six hundred and paise zero only
8	Providing, GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe (SR 15-16 PWD Page No XVII code No 509, 0154)B class Pipe 50mm dia	Rmtr	780.00	321.00	Rupees three hundred twenty one and paise zero only
9	Providing & fixing socket GI (heavy duty collar) (Pwd SR pg xxxviii) 50mm dia	No	150.00	84.80	Rupees eighty four and paise eighty only
10	Supplying and drawing 3 core flat PVC sheathed sub mersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS 8130 1984 and virgin grade PVC insulation and powder coating extructed PVC sheathed suitable for working voltage upto 1100 volts as per 694 1991 & confirming to GTP of GROUP A KPWD Electrical SR 2014-15 page No 12 Item No 2.10.3	Mtr	1650.00	126.70	Rupees one hundred twenty six and paise seventy only

Sl. No.	Description	Unit	Approved Quantity	Rates	Rate in words
11	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control **panel board** unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc.. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	no	3.00	10000.00	Rupees ten thousand and paise zero only
12	Supplying fully automatic star delta starter unit push button type with suitable wires 3 contactors one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor above 15 H P upto 25 HP KPWD ELectrical SR for 2015-16 P 44 Item No 6.2.2.	Each	**3.00**	8273.00	
13	Fabricating supplying and mounting MS box made out SWG suitable for floor / wall mounting, fully weather proof with provision for better heat description, providing with hinged front cover, equipped with tamper proof locking arrangements with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc complete. KPWD Electrical SR 2014-15 page No 49 Item No 6.40.2	Sqm Cm	**66000.00**	0.33	Rupees zero and paise thirty three only
14	Providing & Fixing of clamps set and borewell cap to the pump .	No's	3.00	450.00	Rupees four hundred fifty and paise zero only
15	Supplying & delivery of brand new best make gate wheel valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve.) (PWD SR 15-16, P.NO.XXIV, Sl.no, 673)	No's	9.00	1600.00	Rupees one thousand six hundred and paise zero only
16	Supplying and delivery of brand new best make Non return Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm non return Valve for distrubutor pipeline. 50mm dia (PWD SR 15-16, P.NO.XXIV, Sl.no, 659)	No's	9.00	1145.00	Rupees one thousand one hundred forty five only
17	Providing and fixing of 50mm GI bend to motor (PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)	No's	9.00	219.00	Rupees two hundred ninteen and paise zero only
18	Providing and fixing of 50mm GI Nipple to motor (PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)	No's	9.00	104.30	Rupees one hundred four and paise thirty only
19	Providing and fixing of 50mm GI union to the motor ((PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)	No's	9.00	223.70	Rupee two hundred thirty three and paise seventy only
20	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) (P.No - 558, I.No - 3, BWSSB SR 13-14)	Per length	150.00	88.00	Rupees eighty eight and paise zero only
21	Supplying and fixing miniature circuit breakers existing MCB distrubution boards using necessary fixing materials and C type curve indicator ON/OFF energy cross 3 with short circuit beaking capacity of 10 K and complete to EIC 60898 40-63 Amps D P Page No 47 item No 6.16.4 KPWD electrical SR 2014-15	No's	3.00	1093.00	Rupees one hundred ninty three and paise zero only

Sl. No.	Description	Unit	Approved Quantity	Rates	Rate in words
22	Supplying of 1.1 KV LTUG Cable having aluminium condutor PVC insulated extructed inner sheathed galvanised steel strip (exept 2 C x 10 sq mm wire armoured) confirming to IS 3975 1990 (No if strip indicated in GTP & extructed PVC outer sheathed armoured cable with specified IS 1554 part 1 1988 & confirming to GTP of group A 4 core 16 sqm KPWD SR 2014-15 page No 55 Item No 7.4.4.	Mtr	90.00	140.40	Rupees one hundred forty and paise forty only
23	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete as per in soil (hard) CIVIL SR KSRB 12 P7 item no 7.9.2 page No 68 KPWD SR 2014-15	Mtr	90.00	106.00	Rupees one hundred six and paise zero only
24	Supplying and fixing Class-A (medium duty) GI Pipe of wall thickness not less than 3.25mm on pole / wall drain crossing with necessary clamping arrangmenets for UG cable of 1.1 KV Page No 68 item no 7.12.1.40mm	Mtr	9.00	345.00	Rupees three hundred foryt four and paise zero only
25	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia KPWD Electrical SR 2014-15 Page No 62 Item No 7.1	No's	3.00	2727.00	Rupees two thousand seven hundred twenty seven only
26	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc,KPWD Electrical SR 2014-15 Page No 62 Item No 7.13.2	Each	3.00	280.00	Rupees two hundred eighty and paise zero only
27	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. (MR)	No's	3.00	1350.00	Rupees one thousand three hundred fifty and paise zero only
28	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia (P.NO - 94. I No 13.79.6 PWD SR 2015-16)	No's	9.00	1526.40	Rupees one thousand five hundred twenty six and paise forty only
29	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches KPWD Elctrical SR 2014-15 Page No 52 Item No 6.6.6	No's	3.00	302.00	Rupees three hundred two and paise zero only
30	KSRB 2-1.1:Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.1, PWD SR 13-14)	Cum	810.00	283.02	Rupees two hundred eighty three and paise two only
31	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.15 item No.3.4.2 b PRED SR 2012-13**	Rmtr			

Sl. No.	Description	Unit	Approved Quantity	Rates	Rate in words
	75 mm dia 6 KSC PVC pipe		200.00	157.00	Rupees one hundred fity seven and paise zero only
	63mm dia 6KSC		1600.00	112.00	Rupees one hundred twelve and paise zero only
32	Providing and installation at site of work 20mm GI pipes including cost of pipes and specials and labur incluidng lowering into trenches, laying ture to line, complete as per direction of Engineer in charge for public taps for motors/pipeline (P.No.90, I.No.13.11 PWD SR 15-16	Mtr	90.00	196.10	Rupees one hundred ninty six and paise ten only
33	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 13-14)	cum	810.00	76.32	Rupees seventy six and paise thirty two only

Signature of the Contractor

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